Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_

**Enzyme Demos**

Ms. OK, PreAP Biology, 2014-2015

**Glowstick Demo:**

1. What reaction is occurring here? What are the enzyme, substrate, and products of the reaction?
2. What is the difference between the two trials that were conducted?
3. How will we compare the rate of reaction between the two trials?
4. How did the rate of reactions compare between the two trials? Explain your answer by describing the typical effect of reduced temperature on the rate of reaction.

**Potato and Hydrogen Peroxide Demo:**

1. What reaction is occurring here? What are the enzyme, substrate, and products of the reaction?
2. What is the difference between the two trials that were conducted?
3. How will we compare the rate of reaction between the two trials?
4. How did the rate of reactions compare between the two trials? Explain your answer by describing the typical effect of increased substrate concentration on the rate of reaction.